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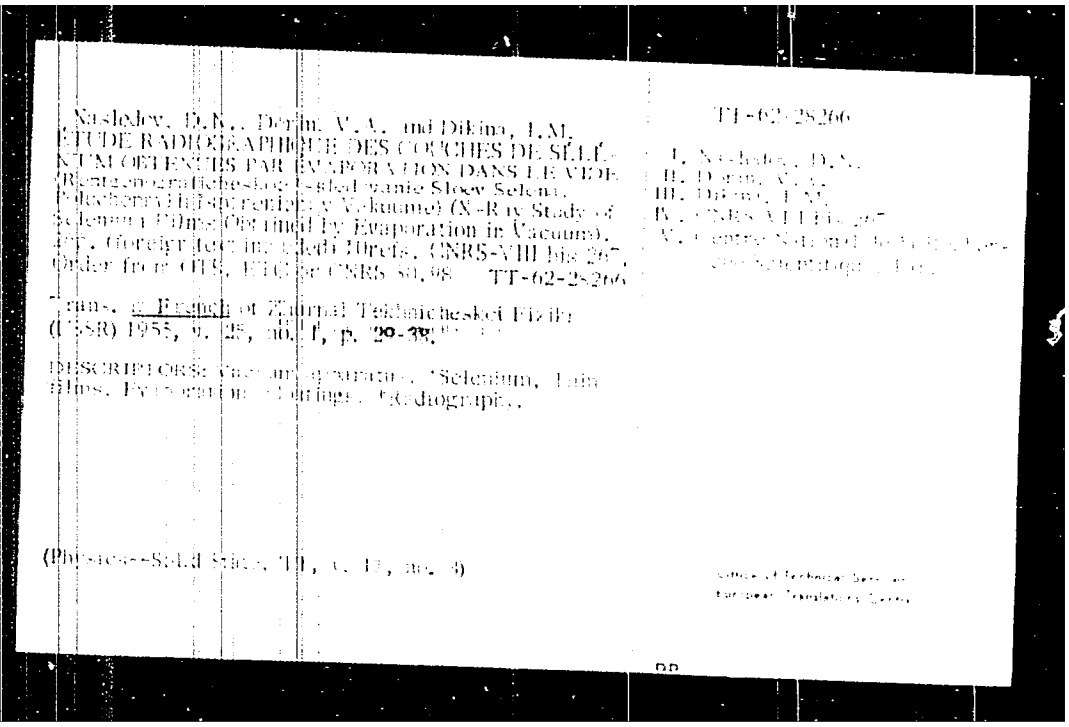

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NIUM OBTENUES PAR EVAPORATION DANS LE VIDE.
(Rentgenograficheskoye issledovaniye Sloev Selena,
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Selenium Films Obtained by Evaporation in Vacuum).
Fr. (foreign lang. in Russ. lett.) 20 refs. CNRS-VIII No 267,
Order from OTS, PTC for CNRS $1.98. TT-62-28266

Trans. from Journal of Technical Physics
(USSR) 1955, v. 25, no. 1, p. 29-38.

DESCRIPTORS: Vacuum apparatus, *Selenium, Thin
films, Evaporation, Coatings, *Radiography.

(Physics--Solid State, III, v. II, no. 8)

TT-62-28266

I. Nasledov, D.N.
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IV. CNRS VIII No 267
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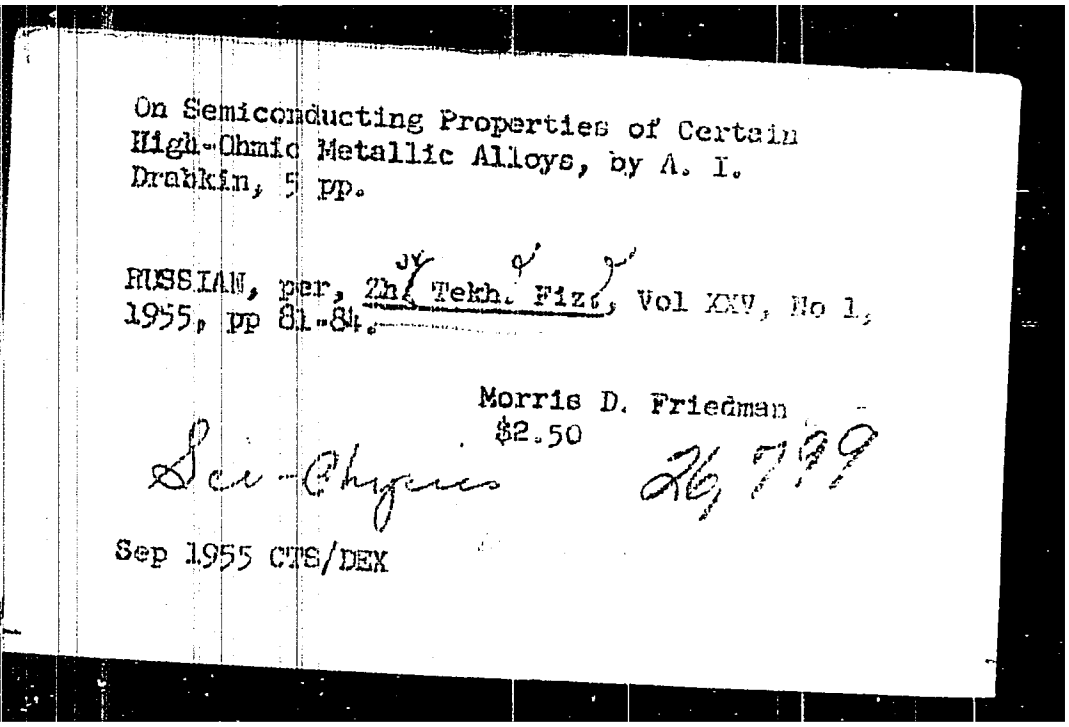

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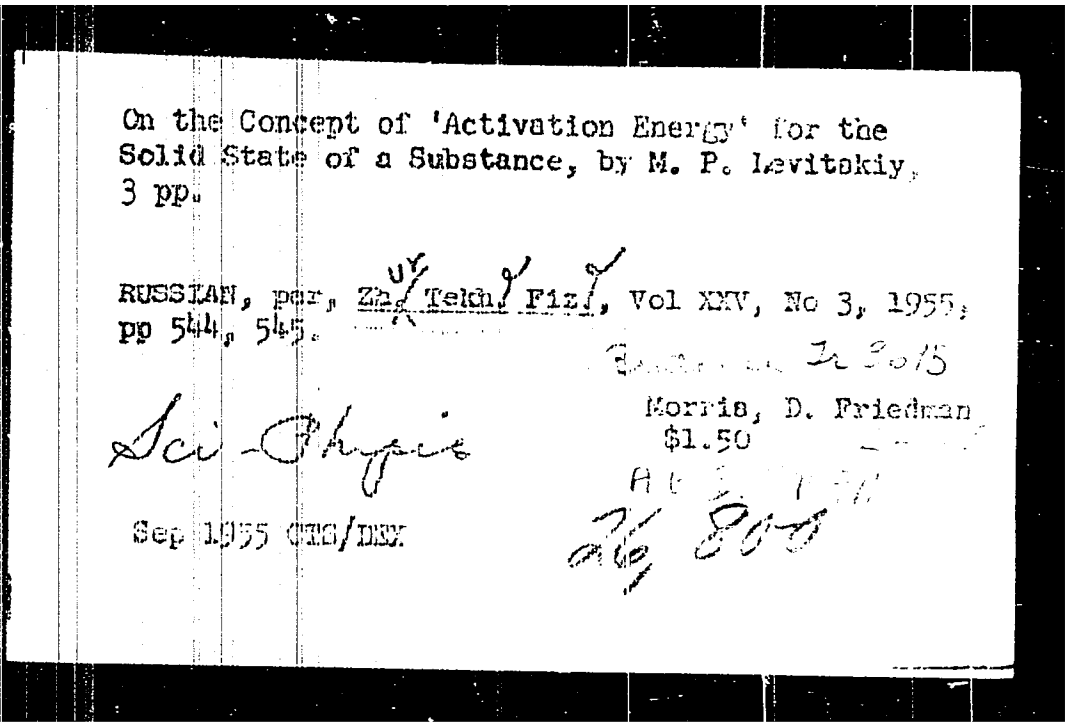

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Tech Tr No 2

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Mass-Spectrometric Method of Measuring the Amount of Radiogenic Argon in Geological Formations to Determine Their Absolute Age, by Kh. I. Amirkhanov, I. G. Gurvich, L. L. Shanin, S. S. Sardarov, 7 pp.

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Morris D Friedman

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GE-1

S. M. RYVKIN, et al.

Method to determine the mobility of minority charge carriers injected by light

Methode zur Bestimmung der Beweglichkeit von durch Licht injizierten Minderheits-Ladungsträgern

Zhur. Tekh. Khim., 25, No. 4, 563-568 (1955)

- German

Euratom

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Scientific - Physics

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T.I.L. T-4646

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Faynberg, Ya. B. and Khizhnyak, N. A.
ARTIFICIAL ANISOTROPIC MEDIA. [1961] [11]p.
7 refs. AF-11.
Order from I C or SLA m$2.40, ph$3.20 61-13285

Trans. of [Zhurnal] Tekhnicheskoy Fiziki (USSR)
1955, v. 25, no. 4, p. 711-719.

An examination is made of the problem involved in creating anisotropic media in a smooth metallic waveguide containing isotropic dielectric disks periodically distributed. Separate consideration is given to the systems of equations, derived from Maxwell equations describing the propagation of axially symmetrical electromagnetic waves, which characterize the propagation of E and H waves. Equations are derived for the effective values of the dielectric constants of an anisotropic dielectric, equivalent to disks, that completely fills the waveguide.

(Physics, TT, v. 5, no. 12)

61-13285

1. Electromagnetic waves--Propagation
2. Waveguides--Mathematical analysis
3. Title: Anisotropic media
I. Faynberg, Ya. B.
II. Khizhnyak, N. A.
III. AF-11

14875?

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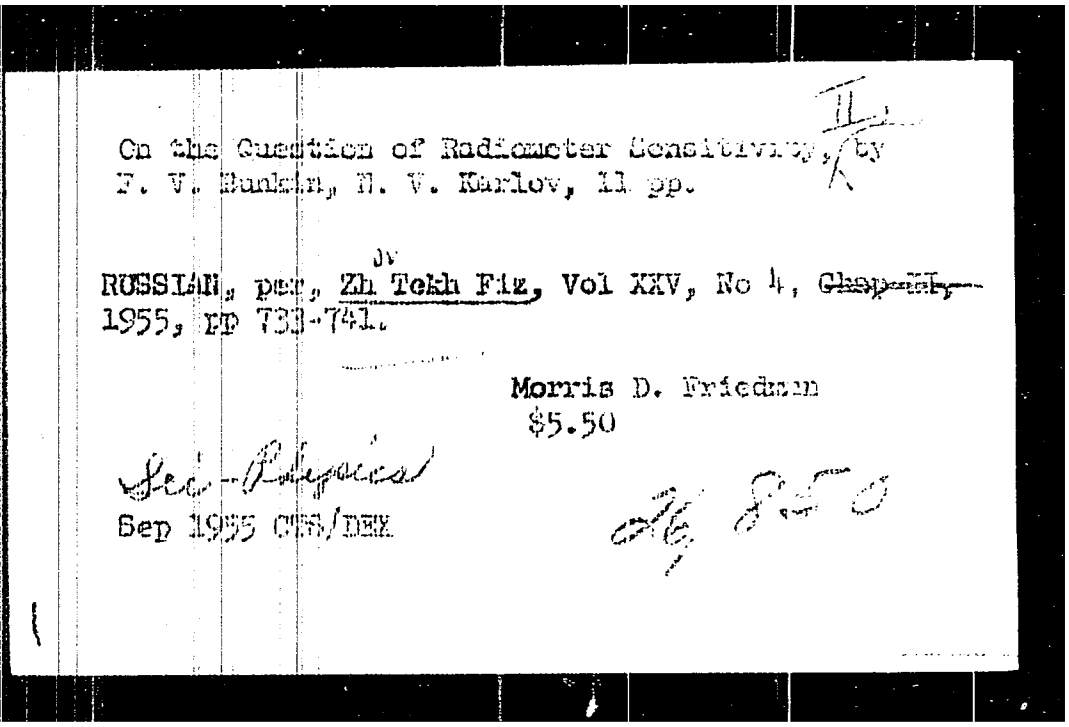

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Morris D. Friedman
$5.50

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Order from OTS or SLA $1.60 62-16724

Trans. from Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 4.

DESCRIPTORS: Solids, *Dielectrics, Dielectric properties, *Radio waves, Propagation, Wave transmission, Waveguides, Cavity resonators, Temperature.

(Physics--Solid State, TT, v. 9, no. 3)

I. Veselovskii, P. F.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

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Diffusion de l'Etain et de l'Antimoine dans les Composes Semi-Conducteurs de Bi_2Se_3 et Bi_2Te_3 by B. Boltaks, 4 pp.

RUSSIAN to FRENCH, per, Zhur Tekh Fiz SSSR, Vol XXV, No 4, 1955, pp 767-768. 9093945

CEA R-1580
Reverse Translation

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The Effect of Impurities on the Electro-Conductivity of AlSb, by A. R. Regal', M. S. Dominskiy, 6 pp.

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Sci Mus Lib Tr 56/3787

Sci - Physics; Chem
May 57 CIS/dex

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Sci - Phys, Engr
Sep 64 265,054

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RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 5, 1955, pp 805-811.

A.E.R.E. Harwell Lib Tr 650
Bal Mus Lib 56/1529

Sci - Chemistry

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RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, Nc 5, 1955, pp 812-816, Encl to IR-1122-55.
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AF 698017

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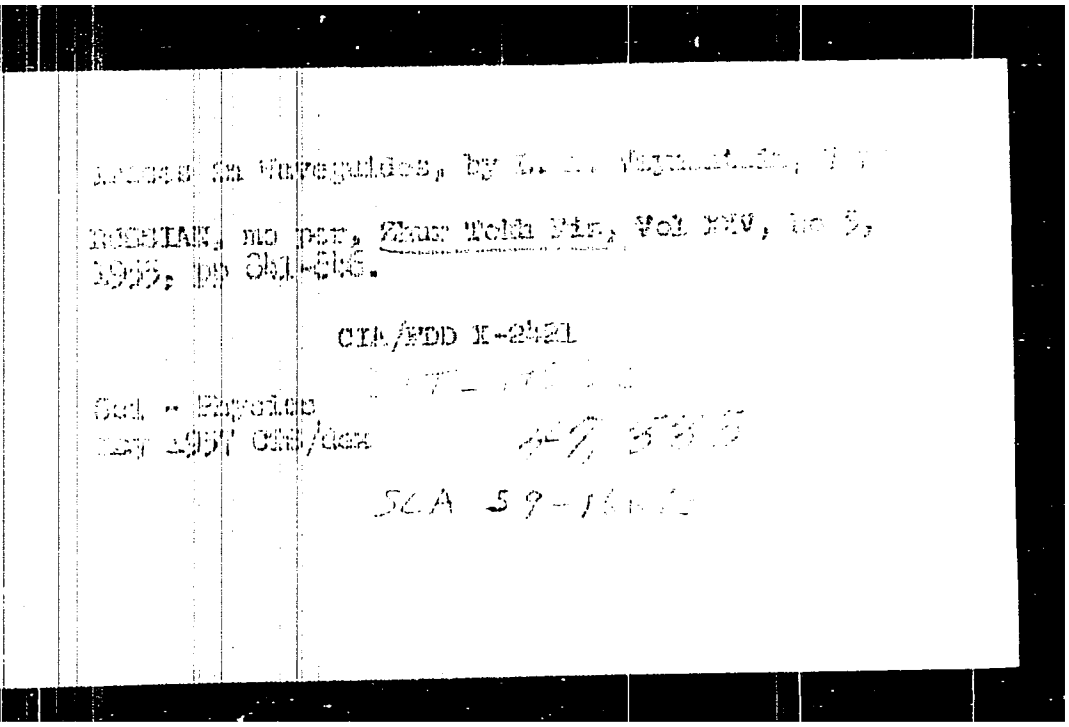
APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5



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CIA/WDD K-2421

Sub - Physics

[illegible]

SCA 59-[illegible]

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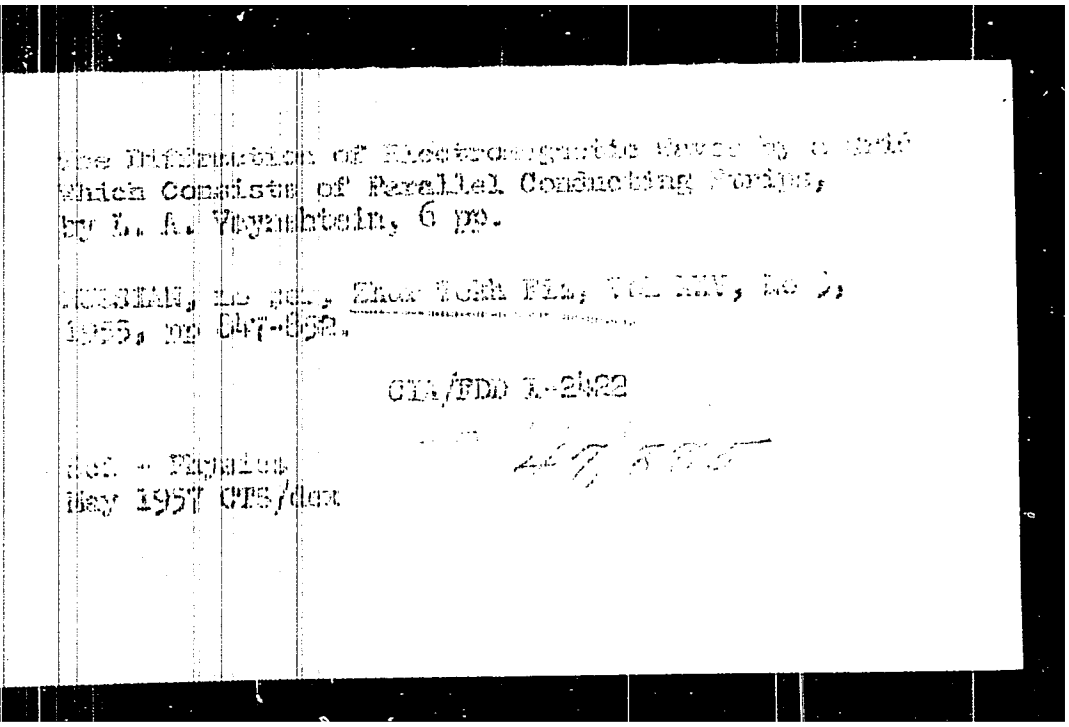

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Ref - Mathematics
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RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, No 5, 1955, pp 864-876.

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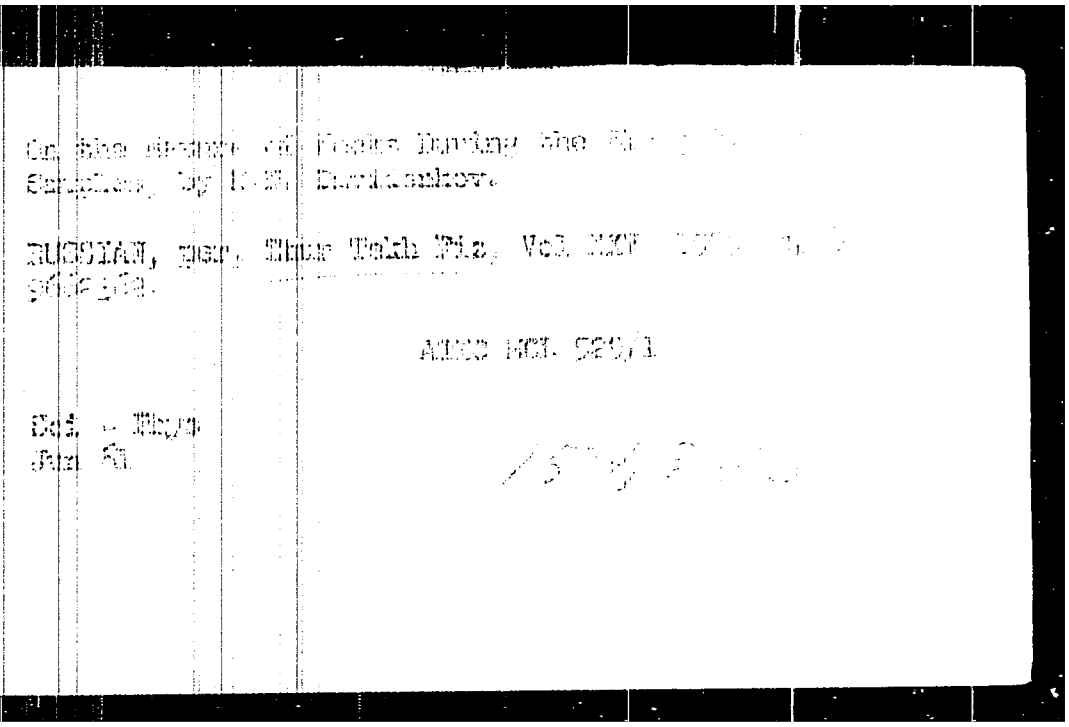

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Subject, by K.N. Durdenkov.

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pp 1-28.

AMSO MDL 521/1

Del. - Mgmt
Jan 61

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ATIC F-TS-9016/III

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Sci - Min/metals
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Sel - Min/met, Physics
Nov 59

USIB INTERNAL USE ONLY

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Coop Trans Scheme Tl 223
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Sci - Chemistry, Physics 36.340

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Properties and Structure of Some Materials in the Tl-Sb-Se System, by B. T. Kolomiets, N. H. Goryunova, 21 pp.

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Theory of Well-Conducting Semiconductors, by L. L. Korenblit, T. Ya. Shraifeld.

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Sci - Electricity, Physics 52,287

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Sparking Potential at Low Pressures in He, Ne, A, Kr, and Xe, by A. N. Dikidzhi, B. N. Klyarfeld, 7 pp.

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Sci - Physics
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Kalashnikov, S. G. and Penin, N. A.
EFFECT OF FREQUENCY ON THE RECTIFYING CHARACTERISTICS OF SEMICONDUCTOR DIODES WITH LOW ALTERNATING CURRENT VOLTAGE.
[1961] 25p. 6 refs.
Order from OTS or SLA $2.60 61-20003

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 6, p. 1111-1123.
Another trans. is available from LC or SLA m$2.40, ph$3.30 as 61-15068, NBS-S-10725-61, 2 Nov 60, 14p.

DESCRIPTORS: *Semiconductors, *Diodes, Frequency, *Crystal rectifiers, Alternating current, Impurities, Resistance, Electrostatic capacitance, Conductivity.

For abstract see Technical Translations 5: 134, 1961.

(Engineering--Electronic, TT, v. 6, no. 10)

61-20003

I. Kalashnikov, S. G.
II. Penin, N. A.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

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CIA/FDD X-2404
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TF.590
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P91 - Physics
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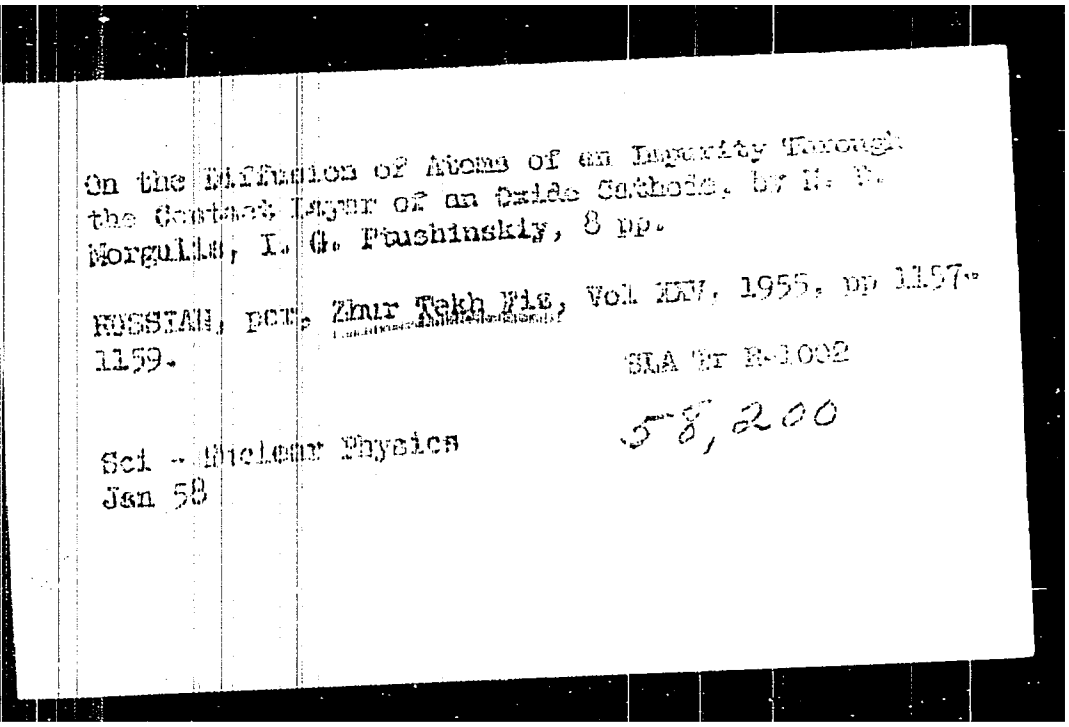

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SLA Tr B-1002

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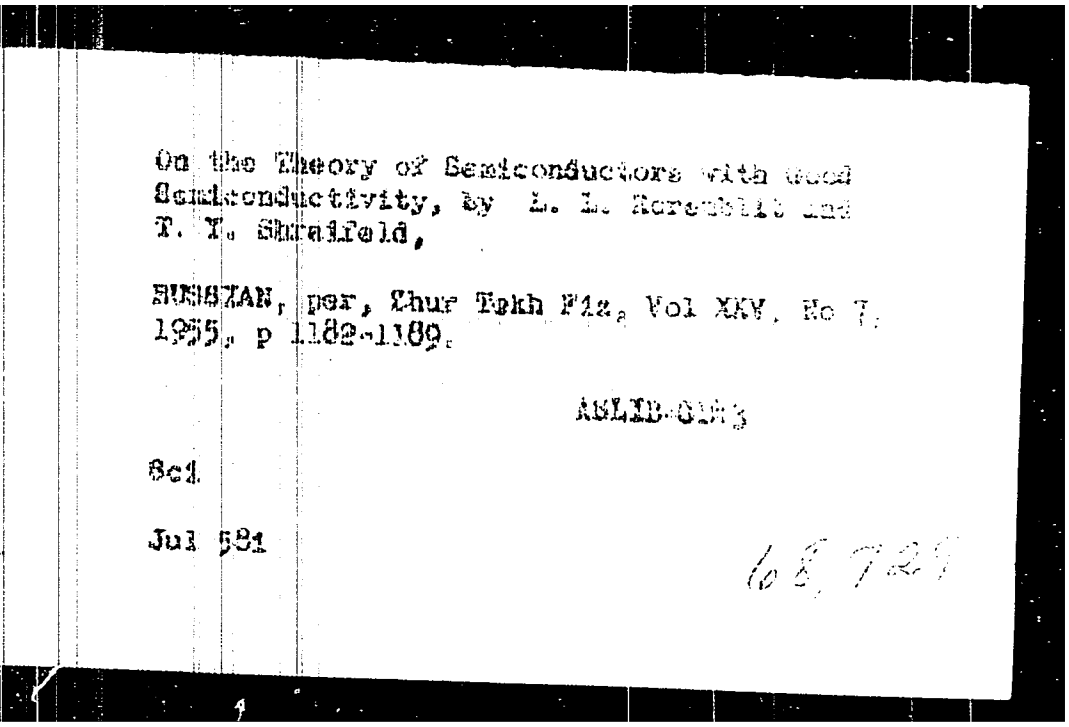

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Sci - Min/Met, Physics 52, 308

Sep 57

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*CFSTI TT 70-57015

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Aug 65 288,108

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An Investigation of Partial (High Frequency) Discharges Through Oiled Paper Insulation, by G. S. Kuchinskiy, 7 PP.

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AEC Tr 2710

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Investigation of Light Phenomena Related to the Development of the Spark-Discharge Channel, by M. P. Vanyukov, V. I. Isayenko, L. D. Khazov, 12 pp.

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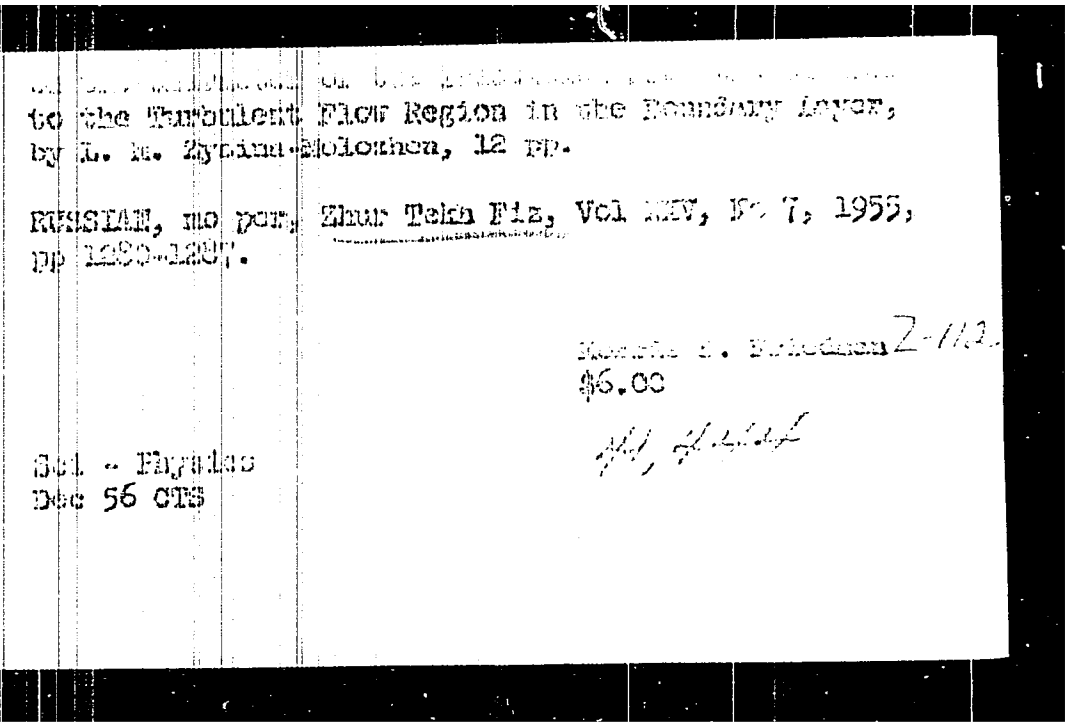

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(FDD 27230)

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[illegible] RUSSIAN, mo per, Zhur Tekh Fiz, Vol XXV, No 7, Moscow, 1955 July, pp 1307-1315.

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Sci - Physics, electronics
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New High Intensity Hydrogen Lamp, by A. I. Sokolichin, M. P. Lisitsa, 9 pp.

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On the Theory of Steam-Jet Vacuum Pumps, by I. M. Lifshits, L. N. Rozentsveig, 3 pp.

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Inelastic Scattering of Electrons in Monocrystalline NaCl and KCl, by A. R. Shulman, S. A. Freyedreyechov, 3 pp.

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US Dept of Commerce
Nat'l Bureau of Standards

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Notes on the Problem of Generating High Temperatures at High Pressures, by L.F. Vereshchagin, Ya. A. Kalashnikov.
RUSSIAN, per. Zh. Tech. Fiz. Vol. [illegible], No. [illegible], 1955, pp 15-8-17
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Sci -
Aug 67

137-001

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Gorbatyi, N. A. and Shuppe, G. N.
DEPENDENCE OF ADSORPTION BONDS ON METAL MONOCRYSTALS UPON THE CRYSTALLOGRAPHIC ORIENTATION (K Voprosu o Zavisimosti Adsorbtsionnykh Svyazei na Metallicheskom Monokristalle ot Kristallograficheskikh Napravlenii) tr. by R. M. Flynn. [1963] [11]p
Order from OTS on loan TT-63-23768

Unedited partial trans. (p. 1365-1367, 1374-1375) of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 8, p. 1364-1375.

DESCRIPTORS: *Metallic crystals, *Adsorption, Single crystals, Sputtering, Secondary emission, Electric fields, Crystal lattices, *Chemical bonds,

(Physics--Solid State, TT, v. 11, no. 1)

TT-63-23768

I. Gorbatyi, N. A.
II. Shuppe, G. N.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

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14 063 GF-1

PASYNKOV V. V.

Influence of radioactive radiation on a photoelement

Einfluss radioaktiver Strahlen auf ein Photoelement

Zhur. Tekhn. Fiz., 25, No. 8, 1376-1385 (1955)

German

E u r a t o m

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

Zandberg, Ye. Ya.

COMPARATIVE STUDY OF THE INTERACTION OF POSITIVE AND NEGATIVE IONS OF THE SURFACE AND OF EQUAL ENERGY WITH METALLIC [illegible]
S.T.S. [1965] [23]p. 19 refs.
Order from LC or $2.5 mi$2.70, ph$4.80 64-15123

Trans. of Zhurnal Tekhnicheskoy Fiziki (USSR) 1955, v. 25, p. 1585-1595.

The secondary emission of nickel-plated and [illegible] targets of platinum with [illegible] was investigated by the method of volt-ampere characteristics of the current in the target circuit as a function of the collector voltage. The targets were bombarded with like positive or negative ions of various elements. The energy was varied between 0.5 and 12.0 ev. The secondary electron emission of [illegible] targets by negative ions is considerably greater than that caused by positive ions. The coefficients [illegible] of secondary emission of nickel-plated, [illegible] (U.S. Atomic Energy Comm., AT, v. 5, no. 11) (over)

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On the Growth of "Nuclear" Cracks Promoting Brittle Strength of Bodies, by B. Ya. Pines, 9 pp.

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Sci - Phys

Jul 61

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Fluctuations in Loaded Lines, by Troitskiy, V. S., 14 pp.

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Morris D. Friedman
$7.00 34, 944

Scientific - Physics
Jun 56 CTS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100470010-5

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The Differential Equation of a Unipolar Corona and Its Integration in the Simplest Cases, by N. N. Tikhodeyev, 10 pp.

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